

# PORTA-VAC® II & PORTA-VAC Battery Packs & Accessories

Battery Operated Wafer Handling Tools

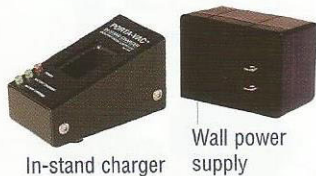


The PORTA-VAC® II wafer handling tool operates on a standard 9 volt alkaline battery or an optional rechargeable battery pack. This wafer tweezer replacement easily handles any size semiconductor wafer when equipped with the proper wafer tip.

PORTA-VAC® II with Molded PEEK Tip



Battery Pack and Charger System



In-stand charger

Wall power supply



PV2074-RE Battery pack

Intake Air Filters



## PORTA-VAC® II Kit With Molded Peek® Wafer Tip

This wafer handling tool kit comes with one MOLDED wafer tip as listed below. Ideal for handling wafers, disk media or any item that has a flat, hard surface. Easily lifts over 500 grams. A disposable 9V battery is included. Rear exhaust of the pump air is standard on these units. The battery low indicator flashes red when the battery needs to be changed or recharged. A switch setting on the bottom of the tool allows selection of alkaline battery or NiMH battery discharge characteristics for the battery low indicator. A large on/off switch provides easy on/off control. An internal air filter (PV4000-FIL-5) is replaceable from the front of the tool. The Class 1 exhaust filter ensures clean operation. An optional rechargeable battery pack and in-stand charger are also available for this tool (see below for details).

<b>PV4000A-MW4</b>	PORTA-VAC II with wafer tip VMWT-A, handles up to 4" (100mm) wafers
<b>PV4000A-MW6</b>	PORTA-VAC II with wafer tip VMWT-B, handles up to 6" (150mm) wafers
<b>PV4000A-MW8</b>	PORTA-VAC II with wafer tip VMWT-C, handles up to 8" (200mm) wafers

## PORTA-VAC® II Tool

Ideal for handling wafers, disk media or any item that has a flat, hard surface. Easily lifts over 500 grams. A disposable 9V battery is included. Rear exhaust of the pump air is standard on these units. The battery low indicator flashes red when the battery needs to be changed or recharged. A switch setting on the bottom of the tool allows selection of alkaline battery or NiMH battery discharge characteristics for the battery low indicator. A large on/off switch provides easy on/off control. An internal air filter (PV4000-FIL-5) is replaceable from the front of the tool. The Class 1 exhaust filter insures clean operation. A disposable battery is included. An optional rechargeable battery pack and in-stand charger is also available for this tool (see below for details).

<b>PV4000A-X</b>	PORTA-VAC II only
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## Battery Pack And Charger System

The in-stand NiMH battery pack and charger are designed to charge the battery pack while the PORTA-VAC® tool is in the stand. A micro-processor monitors the charge status and terminates the charge when the battery is at full capacity. Charge time for a depleted NiMH battery is two hours. LED indicators show status of the charge. The base is designed to sit on your work station surface or be mounted directly on a wall.

<b>PV2070BQ-RE</b>	9.6 volt in-stand battery charger with wall power supply and rear exhaust battery
<b>PV2070BQ-220-RE</b>	9.6 volt in-stand battery charger with 220 volt wall power supply and rear exhaust battery
<b>PV2074-RE</b>	9.6 volt in-stand rear exhaust battery pack only

## Intake Air Filters

<b>PV4000-FIL-5</b>	5 pack of replaceable 40 micron air filters for the PORTA-VAC®
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